



## Spring Into Science! NEW Topics for the Cool Science Club!



Do you like to understand how things REALLY work?  
Do you like to spend time using your HANDS to explore and experiment? Well, get ready for science fun after school!



### Cool Science Club

This Club is a partnership of the schools, parents and community to provide **fun, hands-on, experiment-driven projects** in science, technology, engineering and mathematics that offer kids an opportunity to dig deeper into their world and enrich the way they look at it. A Club Scientist will lead the five-session exploration of a single topic for 10-15 students in a grade-grouping and will be assisted by a Young Scientist (from grades 8-12) and a Club Manager (parent-volunteer). The Club is made possible by generous donations by **Dorothea Feffer at Coldwell Banker** and **Lee Kimball**, an award-winning design/build firm based in Winchester. Club registration is first-come, first-served.

**Grades 1+2 NEW Science Discovery of Bubbles, Motion & Stars!** Learn about a wide variety of science topics through fun, hands-on experiments.  
**Grades 1+2 What's The Weather Today?** Get the low-down on precipitation, clouds, thunderstorms, wind, hurricanes, and more; build your own rain gauge; see how clouds are formed; maybe even make your own fog.

**Grades 1+2 NEW Nature Detectives.** Be a nature detective and discover some mysteries of the natural world. Explore the McCall School yard. Look for animal homes and tracks and hunt for other clues that animals have left behind. Examine bones, feathers and nests and observe an animal visitor. We will do projects, read stories, and find out more about nature. **Dress for the weather. We plan to go outside each session.**

**Grades 3+4+5 NEW Lights, Camera, Action!** Perform experiments in the Computer Lab with digital cameras and imaging processing software to learn about the science of colors; create your own visual illusions to see heat; view the world through rose-colored glasses that you make yourself!

**Grades 3+4+5 NEW The Energy of Fun.** Scientists will explore the power of electricity and learn how motors work, what "high voltage" really means, how to build a circuit, what makes a car "electric," and much more.

**Grades 3+4+5 NEW Launching Inventions: Part II.** Terry Murray challenges young inventors to overcome gravity as they invent, build and launch new and different objects into space – suitable for veterans of the prior session or rookies.

**Grades 3+4+5 Blood 'n Guts.** Learn about how your body works through fun and exciting hands-on activities. Experiments may include teeth casting, skin prints, chemical reactions of the liver and a stress test.

**Grades 3+4+5 LEGO Robotics™** Enjoy the science and technology of LEGO *Mindstorms*. Build and program a robot with your team to accomplish specific tasks and tricks with scientists from Tufts University. **Starts one week LATER, on Monday, 3/23, for a total of 4 weeks, at \$80.** Suitable for veterans of prior sessions or rookies.

**Grades 6+7+8 NEW Astronomy: Explore Stars & Planets in the STARLAB!** View the constellations of stars, the planets, and phases of the moon in our very own mock-up of the universe – the STARLAB! Scientists will explore how black holes form, why stars twinkle, why the moon looks different each night, and much more.

- Five-week session held on Mondays, beginning on **Monday, March 16, 2009:** 3/16, 3/23, 3/30, 4/6, 4/13. **(LEGO begins on 3/23.)**
- 3:30 – 5:00 pm at the McCall Middle School. 10-15 children per Club grade-grouping.
- \$95 fee for five-week session. Scholarships are available. Registration is on a first-come, first-served basis. **(LEGO is \$80, for 4 weeks.)**
- For more info, contact Lanie Higgins, Cool Science Club Director and Middle School Science Coordinator, at 781-729-7157, Lhiggins@winchester.k12.ma.us

Student Name \_\_\_\_\_ Grade \_\_\_\_\_ School \_\_\_\_\_

Check your child's preferred grade-appropriate club. **Please use 1 and 2 to indicate first and second choice, if applicable:**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Grade 1+2 Science Discovery         | <input type="checkbox"/> Grade 3+4+5 Lights, Camera, Action! | <input type="checkbox"/> Grade 6+7+8 Astronomy / STARLAB! |
| <input type="checkbox"/> Grade 1+2 Nature Detectives         | <input type="checkbox"/> Grade 3+4+5 LEGO Robotics*          |   |
| <input type="checkbox"/> Grade 1+2 What's the Weather Today? | <input type="checkbox"/> Grade 3+4+5 Inventions: Part II     |   |
|  | <input type="checkbox"/> Grade 3+4+5 Blood 'n Guts           |   |
|  | <input type="checkbox"/> Grade 3+4+5 Energy of Fun           |   |



☐ I have enclosed a check for \$95 (\* \$80 for LEGO) payable to the Winchester Public Schools. I understand that registration is on a first-come, first-served basis. **Please mail form/payment to Lanie Higgins, McCall Middle School, 458 Main St., Winchester, MA 01890**

I am also interested in ☐ being the parent-volunteer Club Manager for my child's Club this session.  
☐ being a Club Scientist for a future session. My topic is \_\_\_\_\_

Parent Name \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_ Email \_\_\_\_\_ Phone \_\_\_\_\_

**ON THE BACK OF THIS FORM,** please list important information about your child's medical history and behavioral concerns, including allergies. Also, does your child require any special needs during the school year (i.e. an aide)? \_\_\_\_\_>>